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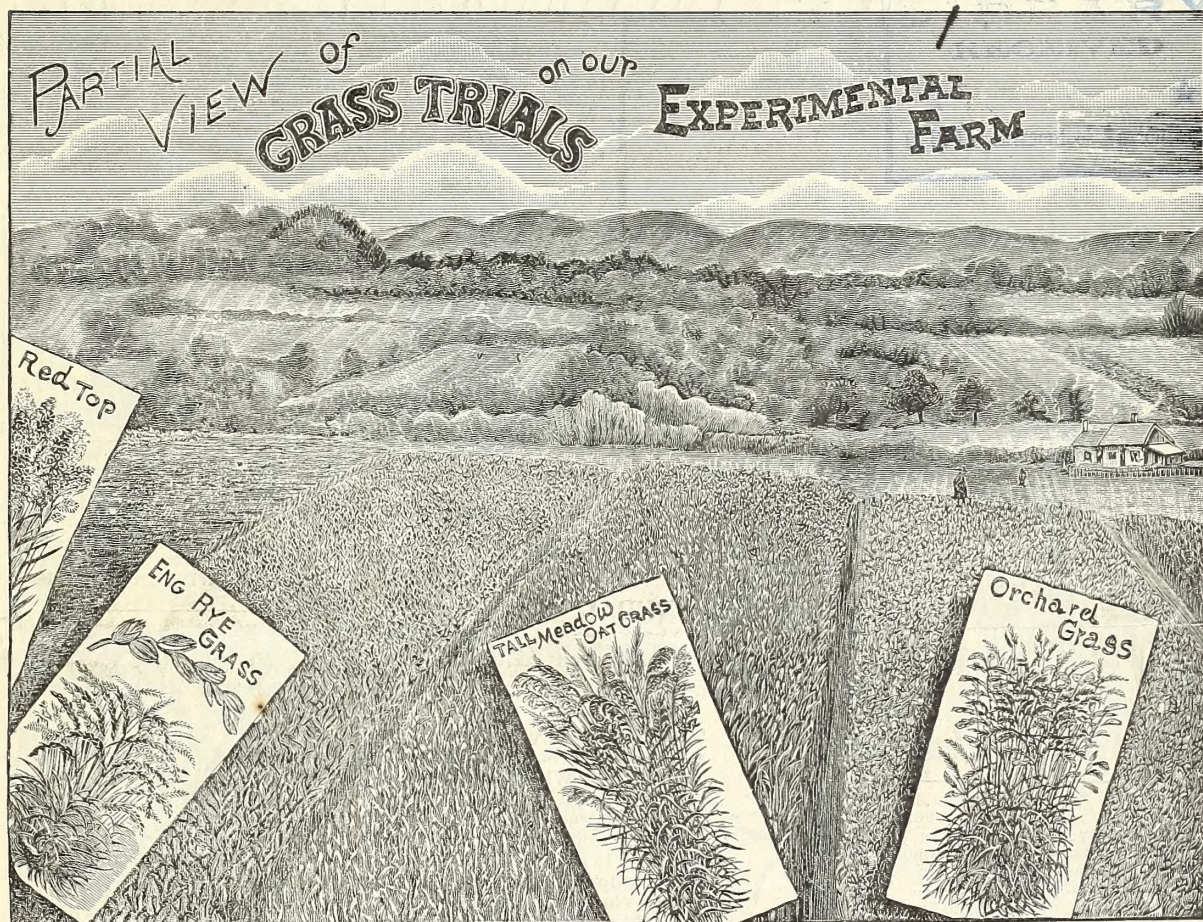
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AGRICULTURAL AND POMOLOGICAL
EXPERIMENT STATIONS

AGRICULTURAL SEEDS

FOR FALL SOWING.

1900



PERMANENT
GRASS
MIXTURES.



SEED WHEAT, . . .
RYE, . . .
SCARLET CLOVER, . . .
. . . AND . . .
DWARF ESSEX RAPE.

PETER HENDERSON & CO.,

35 and 37 Cortlandt Street, New York.

WINTER WHEAT.

Prices are subject to the fluctuations of the market. The prices herein named are those ruling at this date (August), for the new crop 1900. Delivery f. o. b. New York. Special quotations to large buyers.

RURAL NEW YORKER, No. 57.

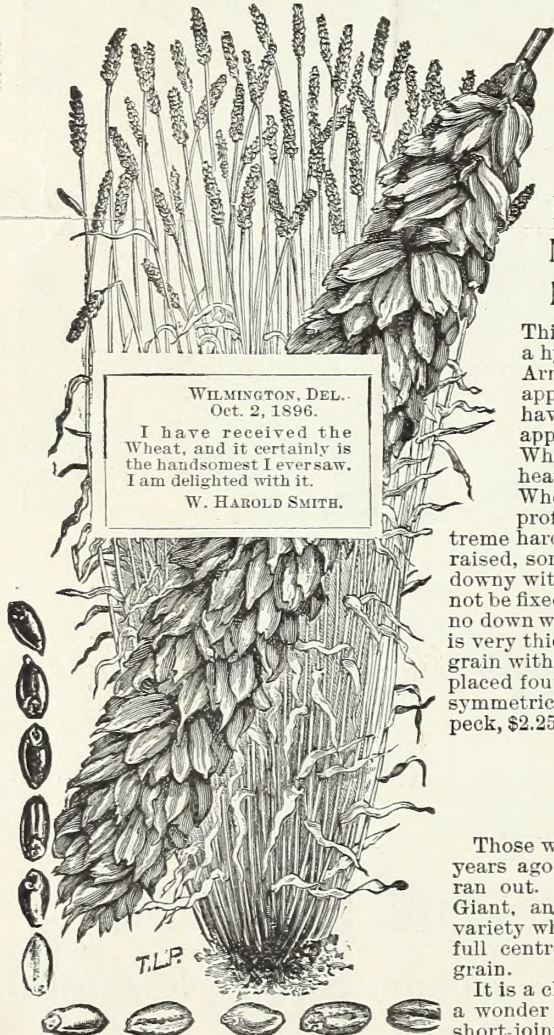
Has heavily bearded heads which are beautifully symmetrical, being pointed at the tip, broad in the middle and tapering towards the stem. The straw is unusually tall and strong and stools freely, frequently having 35 to 40 stalks from a single grain. The heads are compact, averaging three kernels to a spikelet or "breast," and ten breasts to a side. The kernels are of medium size and of an attractive color, between the so-called "red" and amber. Possessing the requisite degree of hardness for the production of the finest grade of flour, it will be much sought after by millers. The chaff is clear white, with a trace of velvet sufficient to make it difficult for the green fly to attack it, and the heads do not mildew as the full velvet chaff varieties are liable to do. (See cut.) 75c. peck, \$2.25 bushel; 10-bushel lots, \$2.00 bushel.



FAIRVIEW, PA., Sept. 19, '96.
Enclosed is my check for \$91.25, which please acknowledge. It was the finest Seed Wheat I ever saw. Will you please inform me what machinery you used in cleaning it?
A. F. DOBLER.

RURAL NEW YORKER, No. 6.

This beardless variety is a hybrid between Rye and Armstrong Wheat, though apparently all traces of Rye have disappeared and it now appears a handsome, beardless Wheat. It succeeds and produces heavy crops on poor thin land, where Wheat could not be successfully or profitably grown, and it also has extreme hardness to recommend it. When first raised, some years ago, the top of the culms was downy with Rye culms. This characteristic could not be fixed, so that for this variety the culms having no down were alone selected. The gold-colored straw is very thick and strong, easily supporting the heavy grain without breaking. The large amber kernels are placed four to a breast, eight breasts to a side, with long symmetrical heads having a brown chaff. (See cut.) 75c. peck, \$2.25 bushel; 10-bushel lots, \$2.00 per bushel.



WILMINGTON, DEL.
Oct. 2, 1896.
I have received the Wheat, and it certainly is the handsomest I ever saw. I am delighted with it.
W. HAROLD SMITH.

T.L.P.

RURAL NEW YORKER, NO. 57.

PEDIGREE GIANT (Half-bearded).

Those who grew the Early Genesee Giant Wheat which we offered a few years ago will no doubt remember what a grand wheat that was until it ran out. The Pedigree Giant is a cross obtained from the old Genesee Giant, and has in a marked degree all the desirable features of that variety when at its best. The head is of peculiar construction with very full centre row, and the whole head is crowded with fine hard amber grain.

It is a champion in productiveness, and no variety can outyield it. It is a wonder for thrifty fall growth, is early and strong stooling, has strong short-jointed straw, which stands up well under high culture. 75c. peck, \$2.25 bushel; 10-bushel lots, \$2.00 bushel.

RURAL NEW YORKER, No. 6.

WINTER WHEAT—CONTINUED.

Pride of Genesee (Bearded).—One of the most productive varieties, having a long, well-filled head, and the fact that it will give a reasonably good crop on land so poor that common sorts would be a failure, cannot fail to make it a popular sort, as the head does not decrease in proportion to the straw, being large and well filled on a very short, light growth of straw. 75c. peck, \$2.25 bushel; 10-bushel lots, \$2.00 bushel.

Diamond Grit, or Winter Saskatchewan (Bearded).—A worthy rival at last to the Hard Spring of the Northwest, being superior to every known winter wheat for milling. With this grand seedling in general cultivation the winter wheat sections can compete with the finest grade of flour known, with the advantage of making more flour to the bushel than any other wheat as yet grown. This, with its wonderful productiveness, strong, wiry straw and sturdy growth, with extreme hardness, cannot fail to make it a leader wherever given a trial. Straw is of medium height, thick-walled and wiry, of a light yellow color. Heads of medium length and carried nearly erect. 75c. peck, \$2.25 bushel; 10-bushel lots, \$2.00 bushel.

Fortyfold (Bald). Was first brought to our notice by one of the largest Wheat growers of Pennsylvania, who claimed it to be the best yielder among all the varieties he has grown. It is of very vigorous growth, remarkably hardy and stands severe winters and dry weather better than any other variety. It has very stiff straw and a large handsome white grain. It does well on all kinds of soil and is therefore a very safe variety to grow. 75c. peck, \$2.25 bushel; 10-bushel lots, \$2.00 bushel.

Bearded Winter Fife.—A grand new bearded Wheat, which has all the splendid milling qualities of the celebrated Winter Fife, and is even harder and more flinty in the grain. It is one of the earliest wheats, ripening along with the Early Red Clawson, and is a very strong, healthy grower, stooling rapidly in the fall. It starts early in spring, and is among the first to head. Straw is strong and above the medium height. The heads are long and wide, with white velvety chaff. The grain is large, medium long and plump, and of a clear light amber shade. The bran is exceptionally thin, hence it will make more flour than almost any other sort grown. 75c. peck, \$2.00 bushel; 10-bushel lots, \$1.85 bushel.

Gold Coin (Bald).—A very productive variety which in New York State has yielded over 60 bushels per acre and even on large acreages has seldom run under 40 bushels per acre. The grain is white, the head long and well filled, frequently having five kernels abreast. The straw is strong and stiff, and will not lodge on the richest land. 75c. peck, \$2.00 bushel; 10-bushel lots, \$1.85 bushel.

WHEAT BY MAIL, POSTPAID.

For the benefit of our customers living at a distance from Railroads and Express Offices who would like to try our new Wheats, we offer them in small lots, *postpaid by mail*, at the following prices:

	1 lb.	3 lbs.		
Diamond Grit, or Winter Saskatchewan.	\$0.30	\$0.75	<i>Postpaid</i> <i>by</i> <i>mail.</i>	Special Offer. 1 lb. of each for \$2.00 3 lbs. of each for \$5.00 <i>Postpaid.</i>
Pride of Genesee30	.75		
Bearded Winter Fife.....	.30	.75		
Pedigree Giant.....	.30	.75		
Fortyfold30	.75		
Rural New Yorker, No. 6.....	.30	.75		
“ “ “ No. 57.....	.30	.75		
Gold Coin.....	.30	.75		

OATS.

Winter.—The stock of Winter Oats we offer is remarkably hardy, having been grown for some years past in Northern Pennsylvania, and are incomparably superior to the ordinary winter or turf oats of Virginia and the South. They are thoroughly acclimated and may be grown even north of New York City with safety. Sown in September they stool out remarkably and require but one and one-half bushels per acre. They have stiff straw, stand up well and are much more productive than spring oats. In spring if they appear to be frozen out, just wait, the roots are there underneath the surface and grow rapidly when spring really sets in. 50c. peck, \$1.10 bushel; 10 bushels and upwards, \$1.00 bushel.

RYE.

Winter.—The variety most commonly cultivated. \$1.10 bushel; 10-bushel lots, \$1.00 bushel.

Excelsior Winter.—A new variety from Vermont, that has never failed to yield at the rate of 40 to 50 bushels per acre. With the originator, a four-acre field yielded 52 bushels to the acre. \$1.50 bushel; 10-bushel lots, \$1.40 bushel.

Thousandfold.—Said to be the most productive Rye in cultivation. \$1.50 bushel; 10-bushel lots, \$1.40 bushel.


Giant Winter.—Unquestionably the heaviest cropping Rye in existence, having in fair tests outyielded all other varieties both in straw and grain. The heads average six to eight inches in length and are filled from end to end with large, plump, heavy grains. The straw is giant in length and strength and of extraordinary stiffness, resisting severe wind and rain storms to a remarkable degree without lodging. (*See cut.*) \$1.75 bushel; 10-bushel lots, \$1.60 bushel.

SPECIAL QUOTATIONS TO LARGE BUYERS.



GIANT WINTER RYE.

FARM SEEDS



EVERY
PROGRESSIVE
FARMER and BREEDER
SHOULD SEND FOR
HENDERSON'S
American Farmers'
Manual.
You cannot afford to be without it.
MAILED FREE
To all asking for it.

Henderson's Special Grass Mixtures

What Our Customers Say:

IN MAINE.

I did not succeed in getting four tons or more per acre, but I did get more than from anything else, and it is splendid hay.—G. M. HOLMES.

IN NEW JERSEY.

The Special Grass Mixtures have been most successful, in spite of an unusually trying season. Yielded a crop of hay more than twice as great per acre as the timothy, which I sowed alongside at the same time.—R. V. LINDABURY.

IN IOWA.

Your Grass Mixture has done exceedingly well, especially in this year of drought. It yielded about twice as much as timothy, and cattle seemed to do better on it.—W. WATSON.

IN NEW YORK.

Your Permanent Mixture is the finest piece of grass anywhere about here. An old farmer told me last week it would cut $3\frac{1}{2}$ tons to the acre sure.—J. M. RICHARDS.

IN VERMONT.

Your Grass Seeds are easily the best of any in the market.—F. C. KIMBALL.

IN PENNSYLVANIA.

The Permanent Pasture Grass was a perfect success. We never had such a good yield of grass. We mowed our meadows twice.—WM. SIMPSON & SONS.

The green appearance of the field attracted universal attention. It has far surpassed clover and timothy in the amount it yields.—J. B. CUMMINGS.

IN VIRGINIA.

My manager is enthusiastic over your mixture for Hay and Permanent Pasture. He claims this year he cut 3 tons per acre the first cutting, $1\frac{1}{2}$ tons the second, and will cut 2 tons the third. The field is a grand sight; people come for miles around to see it.—EDWARD E. BARNEY.

IN INDIANA.

Your Grass Seed produced the largest crop of hay I ever saw, and has yielded a most excellent pasture ever since, notwithstanding the extraordinary drought in this vicinity.—R. S. TAYLOR.

IN OHIO.

The Special Grass Mixture has given us the very best of satisfaction; it produced the finest piece of grass I ever saw and has given us a large amount of hay and pasture per acre.—W. J. HAYES.

FOR HAY AND PERMANENT PASTURE.

**WILL LAST TWENTY YEARS
WITHOUT RENEWAL.**

Consisting of the following varieties: Orchard Grass, Meadow Foxtail, Sheep's Fescue, Rhode Island or Creeping Bent, Hard Fescue, Sweet

Scented Vernal (True Perennial), Meadow Fescue, English Rye Grass, Italian Rye Grass, Red Top, etc., as recommended in our book "HOW THE FARM PAYS," blended in proportions which, we have found from actual use, give the most satisfactory results.

On ordinary fertile soil three bushels of this mixture is sufficient to seed an acre, but where the land is poor a larger quantity will be necessary. Taking one soil with another a fair average would be three bushels to the acre.

For Hay and Permanent Pasture for Light soils,		\$2.50 per bu. of 14 lbs.	
" " " "	Medium soils,		
" " " "	Heavy soils,	2.45	" 20-bu. lots.
" Orchards and Shady Places,		2.40	" 50-bu. "
" Hay only,		2.35	" 100-bu. "
" Pasture only,			
" Renovating Old Pastures,			

To these mixtures, intended for either Mowing Lands or Pasture (but which on account of their greater weight should be sown separately), are to be added ten pounds of Mixed Clovers, comprising White, Mammoth, Perennial or Cow Grass, Alsike, Trefoil, etc., but these should only be sown in the spring, as they are rather tender in this latitude if sown in the fall.

OPINIONS OF THE PRESS.

Country Gentleman says: "Below the taller grasses was a thick mat of finer kinds, and the close, rich turf hid every particle of soil."

American Agriculturist says: "Such mixtures are far superior to Timothy, or 'Timothy and Clover' or any one grass, costing but a little more, lasting much longer, and giving frequently more than double the yield."

Farm and Home says: "The enormous yield of nearly four and one-half tons of good hay per acre should convince any one that more hay and better pasture can be grown with mixtures than with Timothy and Clover alone, as under the very same conditions the latter yielded less than a ton and a half per acre."

How the Farm Pays says: "Far in advance not only of Timothy but of any other Grass we have thus far in cultivation."

At our Farm one of these Mixtures yielded (first cutting, 5,888 lbs.; second cutting, 4,320 lbs. per acre) a total of 10,208 LBS. CURED HAY PER ACRE, while Timothy growing alongside under same conditions yielded only one cutting of 2,400 lbs. per acre.

FALL SOWING IS THE MOST SUCCESSFUL.

Henderson's Special Grass Mixtures

FOR HAY AND PERMANENT PASTURE.

A FEW VERDICTS OF OUR CUSTOMERS SELECTED FROM HUNDREDS.

NEW YORK.

I have been particularly well pleased with my pastures during this exceptionally dry autumn (1895). They were seeded with your Permanent Grass Mixtures six and seven years ago, and have steadily improved during that time. When ordinary pastures were bare during the dry weather these gave constant feed.

JAS. WOOD.
Ex-President New York State Agricultural Society.

Your Grass Mixture looks better than any other meadow we have on the whole farm.

CHARLES LAUTZ.
It's the finest piece of grass anywhere about here. An old farmer told me last week it would cut $3\frac{1}{2}$ tons to the acre sure.

JAMES M. RICHARDS.
Your Special Mixture of Grasses was a success; compared with Timothy and Clover, the yield is double.

OSCAR SILLECK.
It has yielded more than double the amount of pasture a piece of Timothy and Clover of the same size would have done under the same conditions.

FRANK G. MCCOLLUM.

VERMONT.

I have used your grass seeds for several years, and they are easily the best in the market.

F. C. KIMBALL.

I am more than pleased with the results of both Lawn and Pasture, and am satisfied that P. H. & Co.'s seeds are unsurpassed.

C. F. HASTINGS.

VIRGINIA.

My manager is enthusiastic over your Mixture for Hay and Permanent Pasture. He claims this year he cut 3 tons per acre the first cutting, $1\frac{1}{2}$ tons the second, and will cut 2 tons the third. The field is a grand sight. People come for miles around to see it.

E. E. BARNEY.

IOWA.

The Grass Mixture I got of you has done extra well, especially this year of drought. It stood the drought and yielded about twice as much as Timothy, and the cattle seem to do better on it.

WILLARD WATSON.

MARYLAND.

In about 600 acres sown by me, some 250 were in open cleared woodland, the balance fields. In all cases the Grass Mixture took uniformly well and gave very satisfactory results.

W. T. BARNARD.

It gives me pleasure to inform you that from the Grass seed I bought of you I got a good stand and a splendid growth. I am well pleased; it does well in this section.

S. C. JONES.

OHIO.

The Special Grass Mixture that I purchased from you last fall for permanent meadow has given us the very best of satisfaction. It made a wonderful growth and has given us a large amount of hay and pasture per acre. It produced the finest piece of grass I ever saw.

W. J. HAYES.

MASSACHUSETTS.

I cut 80 one-horse loads of well-cured hay from the Grass Mixture. My man estimated one-half ton per load, and I think it was near that. This year I had as much for the first crop, but on account of drought the second crop was light. I am well pleased with the result and am satisfied I got much more than I would from any one kind of grass.

GUY SMITH.

The seed for the meadow land was all right, and has proved a great success in every way. I have cut two heavy crops each year.

W. H. FAIRBANK.

The Grass Seed came up so rank I had to cut it the fore part of June, a very heavy crop of nice hay.

E. L. BARTLETT.

This is the third year, and there was a heavy crop cut on it two weeks before Timothy was ready, and, much to my surprise, there was quite a good second crop in spite of the very dry season.

H. L. PARK.

INDIANA.

Your Special Grass Mixture has done very well for me. It produced this season the largest crop of hay that I ever saw cut off the ground, and has been yielding a most excellent pasture for over a month past, and this notwithstanding the extraordinary severity of the drought in this vicinity.

R. S. TAYLOR.

PENNSYLVANIA.

I will not seed down until spring as we are in such a drought that nothing will grow. Rye and wheat will scarcely germinate. Your grass seed upon Mr. Wayne McVeagh's farm is the greenest spot here; it looks well, although such a dry time.

JOHN G. GARDINER.

The growth is simply wonderful, and do not think there is any other grass to equal it for hay or pasture. I sowed about ten acres from which I have cut what I consider the best hay ever made on my farms.

J. S. LONG.

The Permanent grass seed bought of you has proved a luxurious success. The result exceeds my expectations. In short, I think it the best grass seed to be had, and shall use fifty bushels more in the spring.

W. H. REED.

The Grass seed sent me turned out well. It makes a good grass for meadow or for grazing. It is fine, close grass and the cattle like it.

PAUL A. OLIVER.

MAINE.

I laid down some three or four acres with your Special Mixture of Grass seed early last September and had a beautiful 'catch.' It was the wonder of all, and many persons thought it must be grain; it certainly looked splendidly. I did not succeed in getting four tons or more per acre, but I did get more than from anything else, and it is splendid hay.

GEO. M. HOLMES.

NEW HAMPSHIRE.

The quality of the Permanent Pasture Grasses is all that could be desired, as it makes fine hay.

DANIEL GILMAN.

Your mixtures are unquestionably earlier than our common seed.

GEO. B. LEIGHTON.

NORTH CAROLINA.

The grass seeds purchased from you, and, in fact, all my other dealings with your house, give entire satisfaction, and I hope soon to send you new orders.

TIMOTHY DOLAN.

COLORADO.

Your Grass Seed has given the best of satisfaction. They are the most reliable I have ever used.

SAM STEVENSON.

CONNECTICUT.

The mixed grasses have given better crops of hay and have not died out so bad as grasses sowed by themselves. After we had some little rain the mixed grasses started sooner and had a much greener look and have grown better afterwards. I would not again sow grasses alone, but would always sow the mixture.

H. L. STEWART.

I used 30 bushels of your mixture for permanent meadow on seven acres in one field, and a little less than three acres in another. This year from the three acres I got 9 two-horse loads of excellent quality, and from the seven acres I got 28 two-horse loads, averaging a ton each. I expect to get a good second crop. The mixtures are better than the old-fashioned seeding of Timothy, Red-top and Clover.

R. E. HOLMES.

The 16 bushels Permanent Pasture Grass you sent me have proved a perfect success. I shall want more in the spring.

J. S. MACFARLANE.

RHODE ISLAND.

I tried your mixture in order to avoid making "Daisy Hay," which seems to be the prevailing kind all about me, and I am glad to say I have so far succeeded in being free of that pest.

As to quick growth after cutting, it has exceeded my expectations, and each year the lot looks like a lawn in a few days, after cutting.

JULIUS PALMER.

The Permanent Grass Seed I will order of you in the fall, as I would like to see if the result could come up to the spring sowing of 40 bushels which I purchased of you in '96, and which today is the best field of grass on the Island.

NEW JERSEY.

We mowed a very good crop the 20th of June, and in two weeks had good pasture—the best in the township, and very good now, and much admired by the neighboring farmers. Our Timothy meadow is nearly all killed or dried up; no pasture. But the Special Grass Mixture is now very nice and green.

E. W. BRUEN.

Your Grass Mixture was acknowledged by all who saw it to be the best field of grass in this section.

JOHN S. BIGELOW.

I have an even, solid stand of grass that affords ample pasture, and far better than those adjoining me who depend on Clover and Timothy.

E. P. LAFETRA.

Henderson's "Recleaned" Grass Seeds

Fall Sowing is the Most Successful.

Prices for Grass Seed are subject to fluctuations of the market. Those herein named are the prices ruling at this date (August), but we cannot be bound by them for any length of time. Write for prices.

Awnless Brome Grass. (*Bromus Inermis*.) A new forage plant of the utmost importance particularly in dry and Southern sections; yields enormously. 18c. lb., \$15.00 100 lbs.

Bermuda. (*Cynodon Dactylon*.) Valuable for Southern States, withstands the heat and drought. 80c. lb., \$70.00 100 lbs.

Creeping Bent Grass. (*Agrostis Stolonifera*.) Excellent for lawns, succeeds well in moist situations. About 2 bushels to the acre. (20 lbs. to bush.) 25c. lb., \$4.50 bush., \$22.00 100 lbs.

Crested Dog's Tail. (*Cynosurus Cristatus*.) Should enter in moderate quantity in permanent pasture mixtures and lawns. (About 21 lbs. to bush.) 40c. lb., \$7.50 bush., \$35.00 100 lbs.

English Rye Grass. (*Lolium Perenne*.) A valuable grass. 2½ to 3 bushels to the acre. (24 lbs. to bush.) 10c. lb., \$2.00 bush., \$700 100 lbs.

Fine Leaved Sheep's Fescue. (*Festuca Ovina Tenuifolia*.) (About 14 lbs. to the bush.) 35c. lb., \$4.25 bush., \$28.00 100 lbs.

Hard Fescue. (*Festuca Duriuscula*.) Dwarf, hardy grass, of great value for dry situations, indicates superior quality in hay. (12 lbs. to bush.) 25c. lb., \$2.50 bush., \$18.00 100 lbs.

Hungarian Grass. (*Panicum Germanicum*.) Is a valuable annual forage plant. 1 bush. to the acre. (48 lbs. to the bush.) 10c. lb., \$1.10 bush., \$2.20 100 lbs.

Italian Rye Grass. (*Lolium Italicum*.) Unequaled for producing an abundance of early spring feed - giving quick and successive growths throughout the season. (18 lbs. to the bush.) 10c. lb., \$1.50 bush., \$8.00 100 lbs.

Johnson Grass. (*Sorghum Halapense*.) Of greatest importance for the South. Very tender and nutritious. 14c. lb., \$3.00 bush. of 25 lbs., \$11.00 100 lbs.

Kentucky Blue Grass. (*Poa Pratensis*.) Very valuable for a variety of soils from moist to dry, furnishes delicious and luxuriant pasturage and makes excellent hay. (14 lbs. to bush.) Fancy or double extra clean. 15c. lb., \$1.60 bush., \$11.00 100 lbs.

Meadow Fescue. (*Festuca Pratensis*.) Of great value for permanent pasture and hay, robust grower and nutritious. (22 lbs. to the bush.) 18c. lb., \$3.75 bush., \$16.00 100 lbs.

Meadow Foxtail. (*Alopecurus Pratensis*.) Resembles Timothy, but of much earlier and rapid growth, particularly valuable for permanent pastures and hay. (7 lbs. to bush.) (See Cut.) 30c. lb., \$2.00 bush., \$25.00 100 lbs.

Orchard Grass. (*Dactylis Glomerata*.) One of the most valuable of all grasses, for either grazing or mowing, of early, rapid and luxuriant growth. (See Cut.) (14 lbs. to bush.) \$2.25 bush., \$15.00 100 lbs.

Red or Creeping Fescue. (*Festuca Rubra*.) Suitable for sandy seacoasts and dry soils. (About 14 lbs. to the bush.) 30c. lb., \$3.75 bush., \$25.00 100 lbs.

Red Top Grass. (*Agrostis Vulgaris*.) (14 lbs. to bush.) \$1.20 bush., \$8.00 100 lbs. Fancy recleaned silver seed. (32 lbs. to bush.) 18c. lb., \$5.25 bush., \$16.00 100 lbs.

Rhode Island Bent Grass. (*Agrostis Canina*.) A very fine variety for lawns. About 8 bush. to the acre. (Bush. of 14 lbs.) 35c. lb., \$4.25 bush., \$30.00 100 lbs.

Rough Stalked Meadow Grass. (*Poa Trivialis*.) Valuable for pastures and meadows, particularly on damp soils. 1¼ bush. to the acre. (About 14 lbs. to the bush.) 45c. lb., \$6.00 bush., \$40.00 100 lbs.

Sheep's Fescue. (*Festuca Ovina*.) Excellent for uplands and dry pastures, of close, dense and nutritive growth, relished by sheep. (12 lbs. to bush.) 25c. lb., \$2.50 bush., \$18.00 100 lbs.

Sweet Vernal Grass, True Perennial. (*Anthoxanthum Odorum*.) Very aromatic, giving hay a fine flavor. (10 lbs. to bush.) 70c. lb., \$6.50 bush.

Tall Meadow Fescue. (*Festuca Elatior*.) Very early, nutritive and productive. Valuable on wet or clay soils. (About 14 lbs. to the bush.) 30c. lb., \$3.75 bush.

Tall Meadow Oat Grass. (*Avena Elatior*.) Recommended for soiling, being rapid and luxuriant in its growth. 4 to 5 bush. per acre. (Bush. of 10 lbs.) 25c. lb., \$2.00 bush., \$18.00 100 lbs.

Timothy. (*Phleum Pratense*.) We offer a particularly "choice" sample. ½ bush. per acre. (45 lbs. to bush.) \$2.00 bush., \$4.45 100 lbs. Price variable.

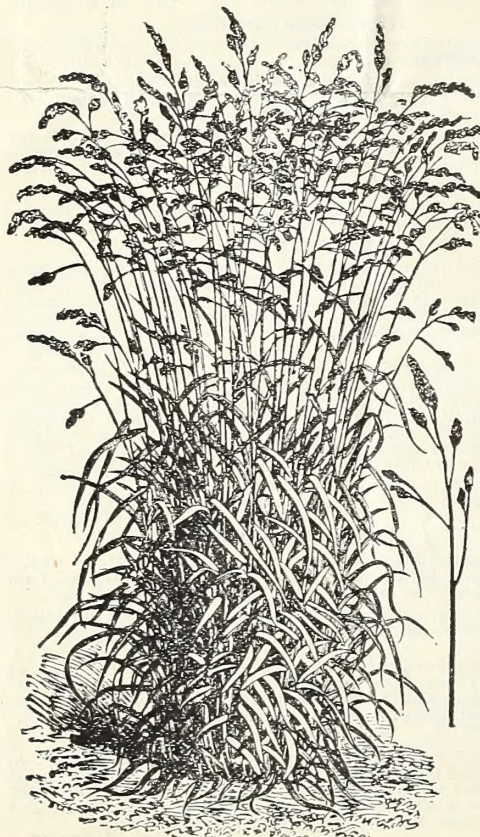
Various Leaved Fescue. (*Festuca Heterophylla*.) 30c. lb., \$3.50 bush. of 14 lbs.

Wood Meadow Grass. (*Poa Nemoralis*.) Of early growth, and thriving well under trees. 2 bush. to the acre. (About 14 lbs. to the bush.) 40c. lb., \$5.00 bush.

Yellow Oat Grass "True." (*Avena Flavescens*.) Good for dry pastures and meadows. (About 7 lbs. to the bush.) \$1.25 lb., \$8.50 bush.



MEADOW FOXTAIL.



ORCHARD GRASS.

Send for our "Farmers' Manual." It illustrates all the best Grasses, gives full description and much information upon FARM SEEDS of inestimable value to the farmer.

SAND, OR WINTER VETCH

(*Vicia Villosa*.)



Though it succeeds and produces good crops on poor, sandy soils, it is much more vigorous on good land and grows to a height of 4 to 5 feet. It is perfectly hardy throughout the United States, remaining green all winter, and should be sown during August and September, mixed with Rye, which serves as a support for the plants.

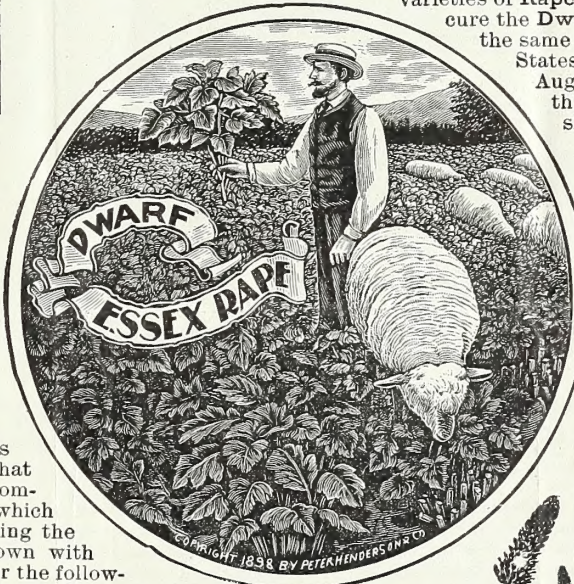
It is exceedingly nutritious and may be fed with safety to all kinds of stock.

It is of such early and rapid growth that a full crop can be taken off in time for planting spring crops.

Sow one-half bushel to a bushel per acre with one-half bushel of Rye or Wheat. 10c. lb., \$1.25 pk., \$4.00 bushel of 60 lbs., \$6.00 per 100 lbs.

TRUE DWARF ESSEX RAPE.

In the United States we have millions of acres of good land that annually lie idle or run to weeds the latter part of the season, after the grain, potato and hay crops have been harvested, a large portion of which might be made to produce one of the finest feeds imaginable and in the greatest abundance, at a time when cattle and sheep are roaming through bare pastures in search of a scanty living. Under favorable conditions it is ready for pasturing sheep or cattle within six weeks from time of sowing, and on an average one acre will carry twelve to fifteen sheep six weeks to two months. When on the rape they should at all times have access to salt; but water is not necessary. There are several varieties of Rape, but care should be taken to procure the Dwarf Essex, which does not seed the same season as sown. In the Northern States it should be sown from May to August for fall pasturing, but as it thrives best in cool weather, it should not be sown in the Southern States until September or October for winter pasture. In the latitude of New York, July or August is the best time to sow. Its fattening properties are probably twice as good as those of clover. At the Michigan Experiment Station, 128 lambs were pastured for eight weeks on 15 acres of Rape sown in July, and showed a gain of 2,890 lbs., or at the rate of 3 lbs. per lamb each week. Sow 6 lbs. per acre broadcast, 2 to 3 lbs. per acre in drills. 10c. lb., \$3.50 bush., \$7.00 per 100 lbs.



CRIMSON OR SCARLET CLOVER...

(*Trifolium incarnatum*.)

The most valuable Plant for Restoring the Fertility of Worn-out Soils.

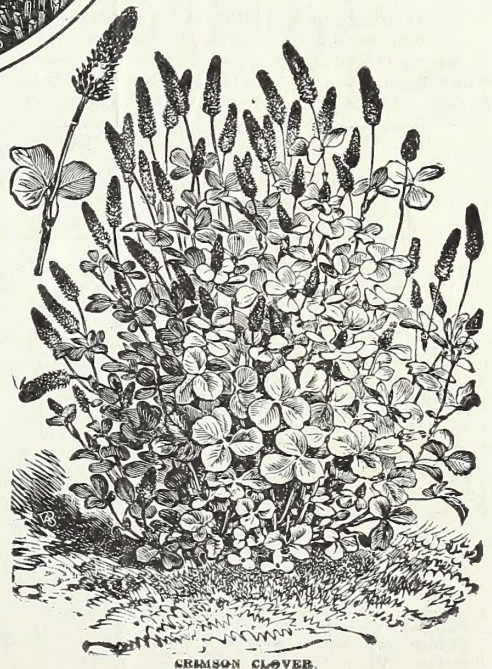
The value of Scarlet Clover is now so thoroughly established that we have no hesitation in recommending that all lands from which crops have been harvested during the summer and fall should be sown with Scarlet Clover for plowing under the following spring. Authorities who have made a careful estimate state that plowing under a good crop of Scarlet Clover is equivalent to 20 tons of stable manure per acre, and even if the Clover be harvested or pastured, the benefits derived from the wonderful nitrogenous root formation will alone many times repay the cost of seed and labor.

If intended for feeding, it should always be cut while in the young stage and never fed to stock after the crop has ceased flowering, as serious results are apt to follow the feeding of overripe Crimson Clover.

It is the cheapest source of nitrogen, and has revolutionized the methods of farming in New Jersey, Maryland and Delaware, has restored to profitable cultivation thousands of acres of poor land, and should be extensively used throughout the entire Eastern States for sowing among corn, tomatoes, turnips, etc., at time of last hoeing, or after potatoes, melons, cucumbers, etc., have been harvested or on grain stubble and harrowed in. Its value as a winter soil mulch and for green manuring for orchards cannot be overestimated, as it provides nitrogen in the best form and quantities, where an application of fertilizers or barnyard manure may act too strongly, producing foliage at the expense of fruit.

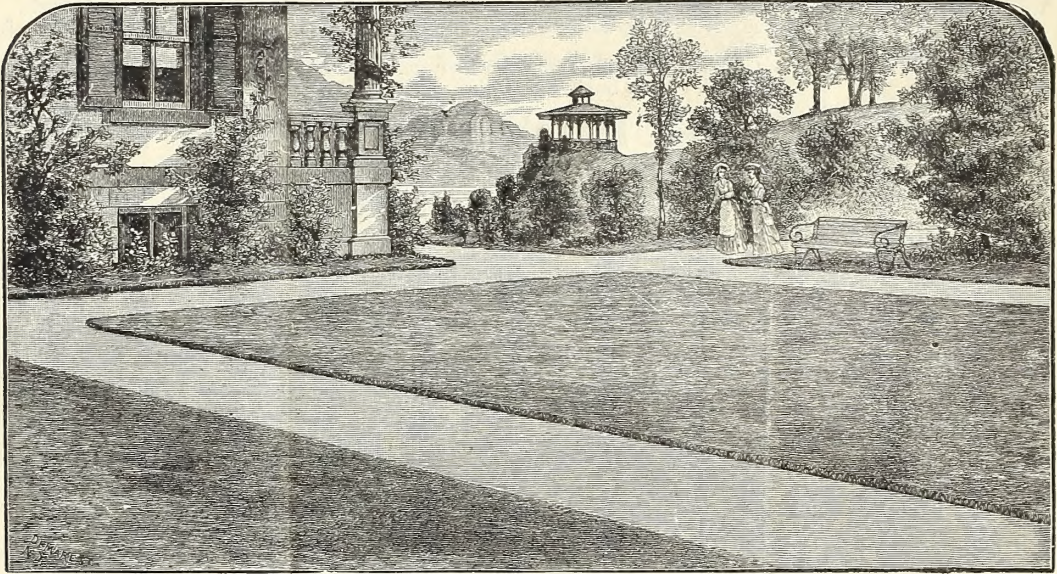
In the latitude of New York, time for sowing may extend from July 15th to September 15th, and further South up to October. The seed needs to be only lightly covered, and a good plan is to sow on fresh plowing and cover with a light harrow. Sow 15 lbs. per acre.

Choice American-grown new crop seed, thoroughly re-cleaned and free from weed seeds, 12c. lb., \$6.50 bush., \$10.50 per 100 lbs.



... THE ...
"HENDERSON" LAWN GRASS SEED.

Our Lawn Grass, sown in the Autumn, will produce a fine, luxuriant Lawn **EARLY** the following season.



The "Henderson" Lawn Grass Seed

maintained, rivaling the famous lawns of Old England. **The "Henderson" Lawn Seed** is the result of several years' careful experimenting, and is **unequaled**. We have made the formation of perfect and permanent lawns a study for years, and the finest lawns in this country prove our ability.

**THE BEAUTIFUL LAWNS AT THE
 WORLD'S FAIR IN CHICAGO--**

We produced in six weeks' time by sowing our

**"HENDERSON" LAWN
 GRASS.**

Not one of the charming features at the **Exposition** was so universally admired as our "setting of emerald velvet," which, notwithstanding the long-continued drought of the summer, *retained its verdure throughout the entire season*. Besides being the only lawn grass seed granted a medal, we exhibited the separate grasses used in the mixture and received **Seven Awards** for superior quality and purity of sample. **The "Henderson" Lawn Grass Seed** is, relatively speaking, the cheapest seed offered, because, while the lawn grass mixtures of other seedsmen will not average over 14 lbs. to the bushel, this weighs from 20 to 21 lbs. per measured bushel.

✿ ✿ **THE QUANTITY REQUIRED.** ✿ ✿

The quantity required for making new lawns is 5 bushels per acre, or for renovating old lawns 1 to 2 bushels. For a plot 15 x 20, or 300 square feet, 1 quart is required for new, or 1 pint for renovating old lawns. Full printed instructions in every package and bag.

PRICES: Per qt., 25c.; per peck, \$1.50; per bush., \$5.00. (If by mail, add at the rate of 5c. per quart for postage.)

**HENDERSON'S
 "TERRACE SOD"
 LAWN GRASS.**

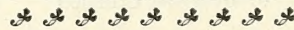
A special mixture of grasses best suited for sowing on terraces, railroad embankments and side hills—grasses that produce strong, spreading roots, thus preventing heavy rains from washing them out, that will withstand drought and exposure, thrive on shallow soils, and at the same time produce a rich, velvety green turf throughout the season.

Price, 35c. per qt., \$2.00 per pk., \$7.00 per bushel of 20 lbs. (If by mail, add at the rate of 5c. per quart for postage.)

**"SUNNY SOUTH"
 LAWN GRASS.**

Specially prepared for the South or for very dry sections, and contains the best grasses adapted for hot, dry situations.

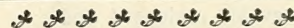
Price, 35c. per qt., \$2.00 per pk., \$7.00 per bushel of 20 lbs. (If by mail, add at the rate of 5c. per quart for postage.)



**HENDERSON'S
 "SHADY NOOK"
 LAWN GRASS.**

On nearly all lawns there are unsightly bare spots under the shade of trees, which have baffled all efforts to get into grass, but with this mixture there need be no further difficulty.

Price, 35c. qt., \$2.00 pk., \$7.00 bushel of 20 lbs. (If by mail, add at the rate of 5c. per qt. for postage.)



**HENDERSON'S
 "GOLF LINK"
 GRASS SEED.**

We have given much attention to grasses for golf links, and the best links in the United States and Canada to-day show our success.

When golf first became popular one of our representatives visited several of the famous Scotch links and found that most of the grasses which formed these links can be grown here. The mixtures we offer below are largely composed of such imported varieties as will thrive here, with the addition of several equally fine American varieties. By the use of these mixtures, and with proper care and attention, the finest golf links and putting greens in the world can be successfully rivaled.

Grass Mixture for "Putting Greens"—Price, 30c. qt., \$1.75 pk., \$6.00 bush. of 20 lbs.

Grass Mixture for outlying grounds or "Fair Greens"—Price, \$2.50 bush. of 14 lbs.

